#3330 &

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

January 14, 2010

TO:	Internal File					
THRU:	Daron R. Haddock, Manager	1				
FROM:	James D. Smith, Permit Supervisor	10				
RE:	2009 Second Quarter Water Monitoring, PacifiCorp, Trail Mountain Mine, C/015/0009, Task ID #3330					
The Trail Mountain Mine is currently idle. The monitoring plan is described in Appendix A of Volume 9 of the MRP.						
1. Were data submitted for all of the MRP required sites?						
In-mine		YES 🖂	NO 🗌			
	nine is sealed, so other than the Oliphant portal discharge a spring, there is no monitoring of underground or it	_	T-18), which is			
Springs		YES 🖂	NO 🗌			
Durin monitored.	g the 2nd Quarter, the Oliphant portal discharge (18	-1-1 or T-18) is	the only spring			
Streams		YES 🖂	NO 🗌			
UPDES		YES 🖂	NO 🗌			
DMRs were submitted in electronic format (Adobe). There was no discharge from either UPDES point during the 2nd quarter 2009. The mine was sealed in June 2001 and there has been no reported discharge at UPDES UT23728–002 (the mine-water discharge into Cottonwood Creek) since May 2001.						
Wells		YES 🖂	NO 🗌			

WATER QUALITY MEMO

Since July 2004, the water level in TM-3 has been reported as head above the casing elevation, determined from pressure measured by a gauge on the sealed wellhead.

2. Were all required parameters reported for each site?					
Springs	YES 🖂	NO 🗌			
Streams	YES 🖂	NO 🗌			
UPDES	YES 🖂	NO 🗌			
Wells	YES 🖂	NO 🗌			
3. Were any irregularities found in the data?					
Listed parameters were outside two standard deviations. not a parameter required by the MRP.	An asterisk (*)	indicates this is			
Springs	YES	NO 🛛			
SW-1 June: field specific conductivity, Ca, Mg, Na, SO4 conductivity*, TDS, total cations*, and total anic SW-2 June: pH. UPDES discharge from the Cottonwood Mountain Access Tunnel (TMA) began in July 2 discharged from the Trail Mountain Mine portals is the source of the jump in TDS, sulfate, Ca, Mg	ons*. d/Wilberg Mine t 001; prior to that s in Grimes Wasł	hrough the Trail date this water This discharge			
UPDES	YES 🗌	NO 🖂			
Wells	YES 🖂	NO 🗌			
TM-1B April, May, and June: depth. Head in TM-1B has been slowly rising since early 2003. The cause is not evident.TM-1B June: bicarbonate as CaCO3.					
TM-3 April, May, and June: water elevation peaked in June 2005, remained steady through October, dropped 18.5 ft in November and December 2005 and remained virtually unchanged during 2006. The pressure gauge was replaced in January 2007 and values jumped to approximately match the pre-2006 curve. During the first half of 2007, the curve was relatively flat, but it resumed climbing during the third quarter and has continued on an upward trend.					

4. On what date does the MRP require a five-year resampling of baseline water data.

Page 3 C/015/0009 Task ID #3330 January 14, 2010

WATER QUALITY MEMO

The next renewal submittal is due 10/21/09 for renewal on 02/21/10. Baseline analyses were performed in 2001 and 2006. Analyses for baseline parameters will be repeated every 5 years, i.e., the next baseline analyses will be in 2011.

yea	ars, i.e., the next baseline analyses will be in 2011.				
5.	Based on your review, what further actions, if any, do you recommend?				
	There is no further action recommended at thi	s time.			
6.	Does the Mine Operator need to submit more is monitoring requirements?	information to fulfill this o	quarter's NO ⊠		
7.	Follow-up from last quarter, if necessary.				
	NA				
8.	Did the Mine Operator respond adequately to	queries about missing or i	irregular data? NO 🗌		

O:\015009.TMT\WATER QUALITY\WG3330.WQ 09_02.DOC